

BID ADDENDUM #4

March 11, 2022

To:
Prospective Bidders/Planholders

**ELECTRICAL VAULT RELOCATION
PROJECT NUMBER CSUSTRFP20111
California State University Stanislaus
One University Circle, Turlock, CA 95382**

This Addendum forms a part of the contract documents and modifies the original bidding documents. Addendum shall be noted as received and acknowledged on the Bid Proposal Form when submitted as outlined in the Bid Package referenced above.

The following corrections, additions, deletions, and/or modifications to the above package, by this reference, shall be incorporated therein:

Addition:

- 26 13 13, incorporate new paragraph 2.09.A.11:
 11. SF6 switches are deemed as an acceptable equal for this project.

- 26 13 13, incorporate new paragraphs to 2.04:
 - C. The Manufacturer shall provide the following factory production tests:
 1. A mechanical operation check
 2. AC hi-pot tested one-minute phase-to-phase, phase-to-ground and across the open contacts
 3. Circuit resistance shall be checked.
 4. Each solid dielectric module shall undergo an X-ray inspection and a partial discharge test to ensure void-free construction.
 5. Leak test to insure the integrity of all seals and gaskets
 6. Primary current injection test to test CTs, trip mechanism, and electronic control.

 - D. Factory Acceptance Testing for the SCADA ready configuration
 1. Entire system, including pad mount switches, controls, and communications components shall be tested as a complete system at the manufacturer's facility before shipment.

2. All tests shall be performed with actual equipment to be supplied.
 3. FAT shall show in detail how the communication system functions
 4. FAT shall confirm that the automation solution performs as intended prior to shipment, serving as a proof of concept and stress test for the entire system.
 5. 30 day's notice of the schedule for this testing shall be provided.
 6. A customized FAT plan shall be developed prior to the actual FAT. This plan shall include all scenarios to be tested during the FAT.
 7. All tests shall be recorded in event log files. These files shall be used to create an operation summary report.
 8. The FAT shall allow for last minute programming changes.
 9. All parties involved in the project shall be invited to join and witness the FAT.
- 26 13 13, incorporate new paragraph 3.06:
 - 3.06 START UP AND TESTING
 - A. The manufacturer of the switching equipment shall provide personnel, testing procedures, and the necessary test equipment to assist in control system start up and testing. Written notification of planned start up and testing shall be provided at least 30 days prior to commissioning or testing and in no case shall notice be given until written approval of the test procedures has been received. Start up or testing that requires interruption of normal power to served facilities shall be coordinated with the University.
 - B. Start up shall include:
 1. System and component inspection prior to energization.
 2. Field adjustments.
 3. Calibration and programming.
 4. Start-up of equipment.
 5. System evaluation to ensure conformance to performance specification.
 - 26 13 13, incorporate new paragraph 1.06:
 - 1.06 WARRANTY
 - A. Manufacturer shall provide a (5) five year warranty covering parts and performance.

Additional Clarifications

1. Please clarify if SF6 switchgear is an acceptable alternative to the air insulated switchgear specified.

RESPONSE: SF6 switchgear will be acceptable.

2. Please confirm maximum available short circuit current.

RESPONSE: Refer to Specification 26 13 13-2.03.S.7

3. What is the required warranty duration?

RESPONSE: See language within Addendum.

4. Please confirm loop switches on SCADA switches require fault interrupters

RESPONSE: If the manufacturer want to supply fault interrupters along with the relays and electrical operators as stated in 26 13 13-2.02.D, we will take no exception to that approach.

End of Addenda No. 4